

Title (en)
Cement admixture and cement composition comprising this

Title (de)
Zementzusatzmittel und Zementzusammensetzung, die dieses enthält

Title (fr)
Additif pour ciment et composition de ciment le contenant

Publication
EP 1149808 B1 20080528 (EN)

Application
EP 01109696 A 20010419

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Abstract (en)
[origin: EP1149808A2] The present invention provides: a cement admixture which displays excellent cracking inhibition effect and brings about good fluidity even if the quantity of the cement admixture as added is small; and a cement composition comprising this cement admixture. The cement admixture comprises a polyalkylene glycol (A) and a polyalkylene glycol mono(meth)acrylate/unsaturated carboxylic acid-based copolymer (B), wherein: the average molecular weight (X) of the (A) is in the range of 400 to 10,000; the average molecular weight (X) of the (A) and the average molecular weight (Y) of a polyalkylene glycol chain portion of the (B) satisfy $0.9 < (X/Y) < 1.1$; the weight ratio of the (A) to the (B) is in the range of $(A)/(B) = 0.02$ to 0.3 ; and the milliequivalent number of carboxyl groups in the polyalkylene glycol mono(meth)acrylate/unsaturated carboxylic acid-based copolymer (B) is in the range of 0.25 to 5.00 meq/g assuming all the carboxyl groups in the copolymer (B) to be in unneutralized forms. The cement composition at least comprises the above cement admixture, water, and cement.

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Cited by
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